EXCHANGE AND GO

ZENEC
TOUCH ANOTHER WORLD

Z-E3215

Car Specific Naviceiver

Compatible with BMW 3 Series Sedan E90
Touring E91 | Coupé E92 | Convertible E93

WWW.ZENEC.COM.AU

ZENEC E>GO Z-E3215 – Perfect Integration Into Your BMW 3 Series

In 2008, ZENEC brought the first E>GO onto the market, thereby immediately establishing a completely new category of device: the vehicle-specific naviceiver. Today, ZENEC is Germany's undisputed market leader for in-car multimedia and navigation devices. And with the new product range there are E>GOs to fit into over 40 models of vehicle.

E>GO - Exchange & GO

The award winning E>GO concept allows ZENEC to offer a unique solution for those seeking a multimedia and navigation device that integrates into the design aesthetics of the car. The E>GO range is visually and technically a perfect fit in the respective target vehicle, installing without the need for additional facias, adapters and hours of installation work.

What makes the E>GOs so special is the perfect integration to the existing vehicles electronics. But not just to allow the use of your steering wheel controls, the E>GO devices are designed to integrate into the vehicles internal CAN data network in a very simple way.

But it's not the straightforward installation, immense range of functions or the easy use of the device that makes the ZENEC E>GO so unique and successful. It's that all these features are combined in one unit which fits seemlessly into your car. With the new generation E>GO devices, ZENEC have been able to use the information they have learned about each individual vehicle to allow for the best integration possible. The devices have many innovative features and ZENEC's trademark, a simple, user friendly interface.

E>GO Z-E3215 - Tailored to your BMW 3 Series

The Z-E3215 has been specifically developed for your BMW, which is evidenced by the amber button illumination and customized styling of the front panel, which makes this ZENEC naviceiver blend in perfectly with various BMW 3 Series models.

With the ability to integrate into the existing automotive electronics, the Z-E3215 can be linked to the steering wheel controls, Optical Park Sensors (OPS) and the Climatronic control status via the vehicle-specific CAN bus interface, provided your vehicle supports these features.

E>GO Z-E3215 - communication, navigation, entertainment

The Z-E3215 has an integrated Parrot Bluetooth module. A new feature is the Speaker Independent Voice Recognition function, or "voice command", which allows you to control call functions and dial phonebook contacts using voice commands.

Most devices struggle when driving through tunnels, cities or where there is poor GPS reception. With the innovative Multisensor Dead Reckoning system built into the GPS, this will no longer be a problem as the Z-E3215 uses other vehicle data to continue to map your route guidance.

You can also enjoy high quality audio and video via iPod/iPhone or USB. The Z-E3215 is able to playback digital media in formats such as MP3, WMA, Xvid and AVI. With the included USB-hub, you connect up to three USB 2.0 devices and an iPod/iPhone (ZE-NC-IPS/5 lead available separately).

Features

TOUCH PANEL
6.2"/15.7 cm TFT LCD PANEL
Xvid Mobile
USB 2.0 HUB
GRACENOTE PLAYLIST PLUS ™
8GB NAV
PARROT BT WITH SEARCH FUNCTION
A2DP +AVRCP 1.4
Made for iPod
Made for iPhone
BT VOICE RECOGNITION + COMMAND
24 bit D/A CONVERTER
DSP HPF/LPF CROSSOVER
4.2CH 4V LINE-OUT
DVB-T Ready
DAB+ Ready
SECURITY CODE
FULL MAP BUNDLE
STALK/CAN INTERFACE INCLUDED
PARKING RADAR INTEGRATION
A/C INFO
FM TUNER WITH DSP
DAY/NIGHT MODE HMI
NAV SPLIT SCREEN
MULTISENSOR DEAD RECKONING

E>GO EXCHANGE AND GO

POWERED BY gracenote

Wireless communication via Bluetooth

The Z-E3215 is equipped with a high-tech Bluetooth module from Parrot, the specialist for mobile communications, which gives you the convenience of operating a Bluetooth-capable mobile phone. This guarantees you a wide range of functions and maximum compatibility with many different mobile phone models.

With ZENEC devices you can make phone calls in excellent quality - either using the integrated microphone or the multi-directional, freely positionable external microphone supplied with your Z-E3215. Thanks to the innovative audio DSP, unwanted ambient sounds are filtered out more efficiently to offer improved sound clarity.

The Parrot Bluetooth module enables very easy operation while driving. The caller's number, phone book entries and other information are clearly shown on the screen. Also, if compatible, the address book of your mobile phone is automatically synchronized with the naviceiver.

The Speaker Independent Voice Recognition function, or "voice command", allows you to control call functions and dial phonebook contacts using voice commands (if your mobile phone supports phonebook access).

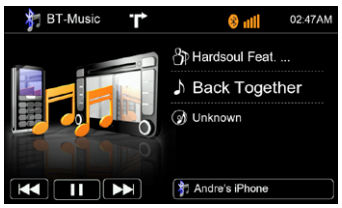
You can easily search for phonebook entries – simply type in the initial letters of the contact you want to dial. This search function makes finding a specific contact quick and easy. Even special characters are no problem thanks to the multilingual keypad.
The firmware of the Bluetooth component can be conveniently updated using a USB stick if, for example, you would like to use a brand new mobile phone model. Thus, the range of compatible mobile phones can be expanded, keeping Bluetooth on the device future proof.

Bluetooth Features:

• Connection of up to 5 mobile phones • synchronization of up to 1,000 contacts with max. 5 telephone numbers per contact • voice control of phonebook contact dialling function in 8 different languages • alphabetical search function for contacts • multilingual input keypad, including special characters and special letters • Quick Dial menu for up to 5 favorite contacts • memory for dialed, received and missed calls • redialing • switch between hands-free and mobile phone • BT-music streaming via A2DP with AVRCP 1.4 • internal and external microphone • future-proof upgradable Bluetooth firmware.

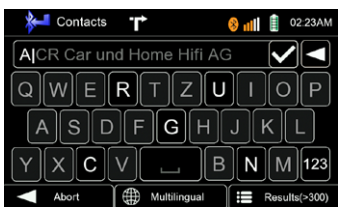
Making calls
Use the clear Bluetooth menu to easily control all telephone functions - a touch is all it takes.

Easy connections
You can connect up to 5 mobile phones to the Z-E3215, each having 1,000 contacts. The address book of your mobile synchronizes with the ZENEC naviceiver automatically.



Music over your mobile phone
Music stored in your mobile phone can be played back over the Z-E3215 thanks to A2DP and AVRCP 1.4. The playback is easily controlled via the touchscreen.

Voice recognition function
The Speaker Independent Voice Recognition function, or "voice command", allows you to control call functions and dial phonebook contacts using voice commands (if your mobile phone supports phonebook access).

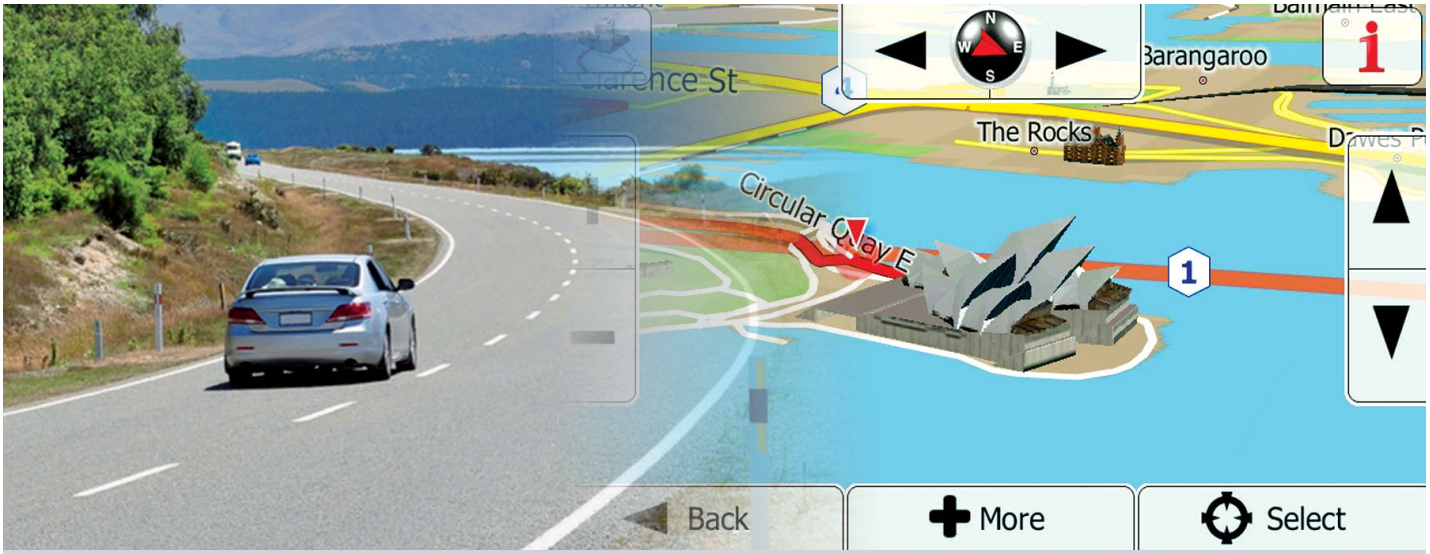


Fast contact search
The alphabetic search function makes finding a contact easier. Simply type in the initial letters. You can seach using up to 15 letters.

Quick-Dial menu
Phone numbers that you use frequently can simply be saved as favorites – so you have fast access to your most important contacts at all times.

Comfortable contact management
You can search for a contact in the phonebook or in the favourites list. But you can also display the list of outgoing, incoming or missed calls.

No missed calls
The ZENEC Bluetooth system allows for multiple calls so that you can conveniently switch back and forth between two active telephone calls.



Your Perfect Navigator

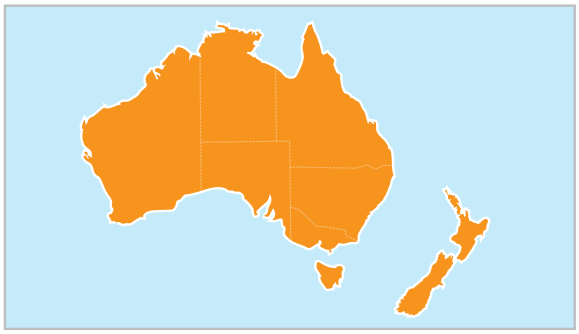
The Z-E3215 combines up-to-date entertainment features with an innovative SD card based multisensor dead reckoning GPS navigation system. This ensures pin-point accuracy of route guidance everywhere and anytime - even in areas where GPS satellite signals are intermittent or not available (e.g. car parks, tunnels and cities).

The ZENEC unit has the latest maps of Australia and New Zealand (with Premium POI's and 4WD tracks), which appear highly realistic, thanks to the 3D high-definition rendering of terrain and 3D objects.

ZENEC's innovative navigation software makes the destination and route selection even easier and more intuitive. The "Quick Menu" provides access to all navigation functions. The "Smart" and "Eco" route calculation modes, for shorter and/or more economical driving, are also great options available.

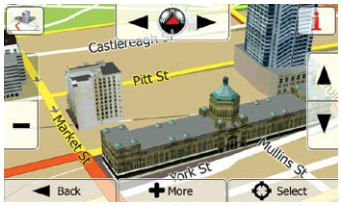
Features like the Real Junction View, the Lane Assistant or the Auto Zoom at crossing and intersections assist orientation in more complex traffic situations. The Z-E3215 also has both visual and audible warnings to indicate speed limits on major roads.

You can update the Z-E3215 content package, expand the navigation content with additional maps or download the newest 3D city maps anytime, using the www.zenec.naviextras.com portal.



Navigate through Australia & New Zealand the clever way
Detailed maps of Australia & New Zealand make sure you know where you are at all times. Choose from 28 different menu and voice languages.

Latest Map Guarantee
Have confidence in the navigation knowing that your Z-E3215 comes pre-installed with the latest maps available and complimentary updates for one year. Future map updates can be purchased through ZENEC Australia.



High-resolution 3D maps

The high-resolution WVGA display of the Z-E3215 ensures that all maps appear crystal clear. 3D orientation points and very realistic 3D city maps make navigation in big cities even more comfortable for you.

Topographic maps

Realistic 3D landscape views lead you through complex terrains. Choose between different designs for day and night. Thanks to a light sensor, the Z-E3215 can automatically switch between day and night HMIs.

Text-to-Speech

The Z-E3215 also displays the names of crossroads. And if you wish, it will read out the street names to you, thanks to the integrated Text-to-Speech function – in this way you can concentrate fully on the traffic while driving.

Real Junction View

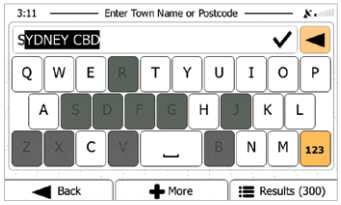
Features like the new photo-realistic Real Junction View of exit points on freeways, the Lane Assist and the Smart-zoom function at junctions and exit points facilitate orientation, particularly in complex traffic situations.

Navigation Features

- SD card cased 3D High Definition splitscreen navigation with map data for Australia and New Zealand.
- Multisensor Dead Reckoning for accurate navigation performance when without GPS signal
- Graphical user interface and voice guidance in 28 different languages
- Premium POI database
- 2D or 3D map view with auto-zoom and realistic display of 3D terrains and 3D landmarks
- Text to Speech function (TTS)
- Eco and Smart Route Planning
- Smart-zoom function at intersections and crossings
- Tunnel mode
- Real Junction View and highway mode with Real Signpost rendering
- Detour Hint function
- “Where-Am-I” function
- Trip computer: configurable display of three additional pieces of information, with the choice of arrival time, journey time, speed, direction, height above sea level, etc.
- visual and audible warning to indicate speed limits on major roads
- Latest Map Guarantee plus 1 year of complimentary navigation updates
- Map updates via the online-portal: www.zenec.naviextras.com
- external GPS antenna included in the delivery

Reach Points Of Interests fast

The Z-E3215 has a Premium POI database with more than 750,000 entries. Using the well designed search menu makes it easy to select special destinations.



Intelligent destination input

To select a destination, you need to enter only a few letters – the Z-E3215 completes your input and automatically proposes appropriate destinations.

Intelligent route planning

So that you can optimize the route exactly as you want, you have a choice between various route calculation methods: short, fast, Eco and easy.

Practical trip computer

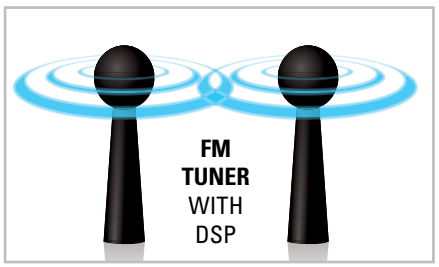
The trip computer gives you a summary of the most important trip data, such as your average speed, arrival time or real travel time to destination.

Where Am I? function

With the Z-E3215 you are well prepared for all emergencies. Use the “Where Am I?” function to find hospitals, police stations, ATM's, petrol stations and much more in your vicinity - all available at your finger tip.

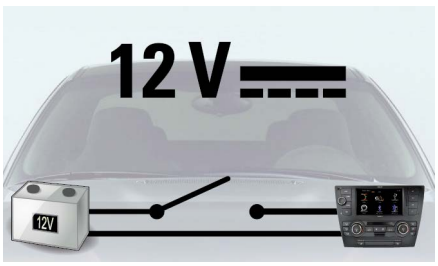
Importing your Outlook contacts

Have you saved important contacts on your computer in MS Outlook? You can easily import these contacts directly into the navigation software of the Z-E3215 by using the Naviextras Toolbox.



FM Tuner with DSP
The analog radio receiver of the Z-E3215 naviceiver features a DSP algorithm to minimize noise on low level FM station broadcast signals and radio playback for improved clarity.

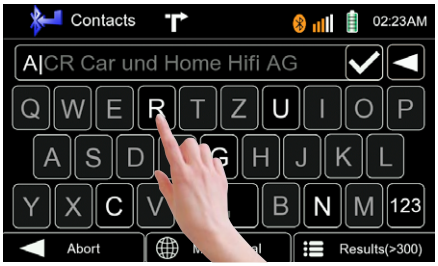
Steering wheel remote control integration
The Z-E3215 is connected via the vehicle-specific Can bus interface to the factory installed steering wheel remote controls. Audio sources (radio, MP3 and USB) are operated in identical fashion as the factory radio before.



BMW Power System integration
BMW vehicles cut off all electrical users/modules from the battery approximately 30 minutes after the central locking system is engaged. The Z-E3215 saves the device settings and user data internally, so when the car is unlocked (CAN wake up), it will re-load the data from its internal memory.

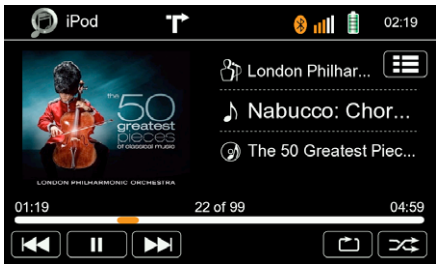
OE parking sensor integration
Data present in the CAN network for factory installed parking sensors is read, processed and displayed via the ZENEC OPS (Optical Park Sensors) on the touchscreen of the device. Acoustical PDC integration is provided by an internal buzzer.

A/C control status info integration
The status data of the Climatronic, if installed in the respective vehicle and present in the CAN network, is displayed as pop-up information on your Z-E3215 touchscreen display during adjustment of any A/C related functions.



Optimized ease of use
The clearly designed menus are self-explanatory and easy to operate. Large control fields and a logically structured navigation ensure that the Z-E3215 can also be controlled safely while you are driving.

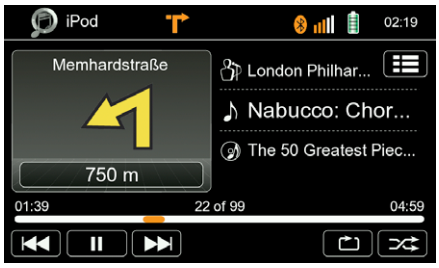
All-round information
Thanks to the infobar function, you will be notified of incoming calls and/or audio features without leaving the navigation mode. In other playback modes there is also a navigation infobar to keep you updated when to take the next turn or exit.



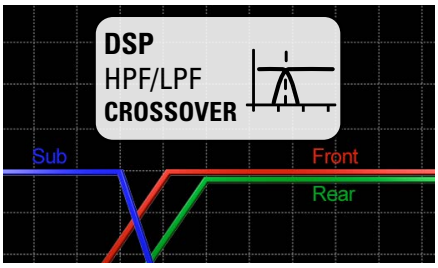
Simple connection of iPod/iPhone
Connect your iPod or iPhone to the E>GO device via the USB port of the USB hub. The display of Apple Album Art is integrated in the iPod/iPhone menu. This menu also gives you the facility to search for a title or an artist alphabetically.

Gracenote Playlist Plus
The Gracenote “More Like This” feature stands for the “one-click“ generation of style and genre based playlists in USB playback mode by pre-selecting a single song/track.

Day/night mode HMI
The Z-E3215 features a built in light sensor which controls the switching of the day and night HMIs. This provides maximum contrast of display for daylight conditions and reduces glare at night.



Nav splitscreen
The ZENEC naviceiver allows navigation splitscreen mode on the touchscreen for all audio sources, including the Bluetooth source mode.



DSP HPF/LPF crossover
The Z-E3215 features an internal DSP with active crossover functions, processing the pre-amp linelevel signals and the speaker outputs (internal amp) with selectable high- and low-pass frequencies and 12 dB/oct. crossover slopes. This provides for the best integration of active subwoofers in passive/ active system configurations.

Navigation | RDS Tuner | USB | Camera | iPod/iPhone | Gracenote | Bluetooth | A/V Input | Xvid | Security Code

Navigation navigate by touchscreen quickly and easily throughout Australia & New Zealand	**RDS Tuner** with automatic station search, 30 station memory (18 FM/12 AM) and best station memory	**USB 2.0 Hub** provides connectivity for three USB 2.0 devices and one cable for iPod/iPhone connection	**Camera** rear view camera input, manually or automatically activated by putting the car	**iPod/iPhone** iPod/iPhone direct connection and operation via touchscreen
Gracenote Playlist Plus The "More Like This" feature enables to generate style and genre based playlists in USB playback mode	**Bluetooth/A2DP** integrated Parrot Bluetooth module for hands-free operation and audio streaming, upgradable firmware	**A/V input** A/V port (RCA) for the connection of other external A/V devices like gaming consoles, etc.	**Xvid** Xvid is the format of choice. Over 90% of present-day AVI files are encoded with Xvid	**Security code** intelligent anti-theft protection based on software monitoring of the power supply

Limitless Connectivity

Due to the integrated USB port and the various A/V in and outputs, there is almost nothing that cannot be connected to the ZENEC naviceiver. The ZENEC program has a wide selection of multimedia-based additional components that are optimally suited to the ZENEC naviceiver. All equipment – external monitors, DVB-T and DAB+ reiceivers or rear view cameras – can be connected directly to the naviceiver and operated via the touchscreen.

USB 2.0 Hub

There is a cable extension that can be plugged into the back of the device to connect the included USB hub. The USB hub allows the connection of up to three USB devices (up to 64 GB each) and the seperately available iPod/iPhone cables ZE-NC-IPS and ZE-NC-IPS5.

Connection of iPod/iPhone

Your iPod and iPhone can be connected using your USB cable or the optional ZE-NC-IPS or ZE-NC-IPS5 (for iPhone 5). The IPS leads not only allow for quick access to all files, but also the control of audio tracks, videos or Podcasts via the naviceiver's touchscreen. It will also charge your iPod or iPhone while your car is on.

Accessories

The ZENEC product range includes many accessories that compliment the Z-E3215 such as:

- Rear cameras
- Digital TV Tuner
- DAB+ Tuner
- Rear seat entertainment

Z-E3215 Main Features

Navigation

- 3D High-Definition splitscreen navigation
- Multi sensor dead reckoning for accurate navigation performance (without GPS signal)
- SD card based navigation system (on 8 GB memory card)
- Premium POI database
- TTS Pro voice guidance for 28 different spoken languages
- Realistic 3D rendering of terrains and landmarks, Tunnel-View, 3D Auto-Zoom for crossings and roundabouts, Real Junction View
- Eco and Smart Route Planning, Calculation of Real-Time Route Alternatives

Bluetooth

- Parrot Bluetooth hands-free module
- DSP audio processing for background noise masking
- Synchronization of up to 1,000 phonebook entries with 5 numbers per entry
- Advanced phonebook contact search function
- Voice control of phonebook contact dialing functions in 8 different languages
- Selectable internal or external BT microphone

Multimedia | Audio

- USB hub allocating three USB 2.0 memory devices (each up to 64 GB)
- Compatible USB file formats: MP3, WMA, AVI, Xvid
- Gracenote "More Like This" for USB audio source and "one-click" generation of playlists by selection of one track
- BT-music streaming via A2DP with AVRCP 1.4
- DSP crossover with HPF / LPF function
- 4 x 40 watts class-D amplifier
- 24 bit D/A converter
- Made for iPod / iPhone

General Features

- 6.2" / 15.7 cm 16:9 TFT-LCD touchscreen with HMI for 22 different languages
- FM RDS tuner with DSP noise masking and 30 preset stations (18 FM/12 AM)
- 1 x IR-remote control

Connectivity

- 4.2 RCA preamp line outputs (4 V)
- 2.0 RCA preamp line outputs (fixed level)
- 2 x RCA composite video outputs (NTSC)
- 1 x RCA A/V-input (CVBS)
- 1 x RCA video input for rear view camera (CVBS)
- Connectivity for touchscreen compatible DAB+ or DVB-T devices

Vehicle Integration Features

- Steering wheel remote control integration via CAN
- Optical Park System (OPS) integration via CAN*
- Climatronic control status integration via CAN*
- BMW power system integration
- Amber key illumination

* Functionality only provided if feature specific CAN data is present.

Vehicle Compatibility List

Brand	Model	Type	Year
BMW 3	Sedan (incl. LCI)	E90	2005 > 2011
BMW 3	Touring (incl. LCI)	E91	2005 > 2011
BMW 3	Coupé	E92	2005 > 2011
BMW 3	Convertible	E93	2005 > 2011

The Z-E3215 replaces the BMW CD Business / Professional Radio.
Acoustical parking sensor integration for vehicles with OEM installed PDC is emulated by the device itself, via the internal buzzer.

Company:

ZENEC Australia Pty Ltd · PO Box 138 Everton Park QLD 4053 Australia
Email sales@zenec.com.au · Phone 1300 493 632

WWW.ZENEC.COM.AU

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